



Microwave and Antenna System in Medical Applications

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Message from the Guest Editors

Dear Colleagues,

This Special Issue of *Sensors* aims at reporting the latest research findings on microwave and antenna technologies in medical applications.

The non-ionizing nature of microwave radiation and low-cost microwave electronics offers innovative solutions for medical diagnosis, treatment, and health monitoring. Electromagnetics and signal processing researchers are working collaboratively with medical practitioners to develop next-generation healthcare technologies. The recent boom in artificial intelligence (AI) and machine learning (ML) offers new avenues which accelerate technical development, particularly in signal processing and imaging. Although the recent focus is mostly on AI and ML, reliable medical solutions cannot be established without having a high-quality microwave and antenna system capturing the RF signals.

The scope of this Special Issue includes microwave and antenna systems that can be applied in medical diagnosis, health monitoring, ablation, and hyperthermia. Contributions toward system development, methodologies and algorithms with medical-oriented applications in mind are welcome.





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Message from the Editor-in-Chief

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